

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted With Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

|                        |                       |
|------------------------|-----------------------|
| Attorney Docket Number | 414576                |
| First Named Inventor   | W. Thomas Cathey, Jr. |
| COMPLETE IF KNOWN      |                       |
| Application Number     | /                     |
| Filing Date            | (Herewith)            |
| Art Unit               | Unknown               |
| Examiner Name          | Unknown               |

**I hereby declare that:**

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NON-LINEAR WAVEFRONT CODING SYSTEMS AND METHODS**

the specification of which (Title of the Invention)

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |                          | YES                      | NO                       |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

|   |  |   |  |
|---|--|---|--|
| Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number <span style="border: 1px solid black; padding: 2px;">30955</span> OR <input type="checkbox"/> Correspondence address below  |  |   |  |
| Name  |  |   |  |
| Address   |  |   |  |
| City  |  | State   |  |
| Country   |  | ZIP   |  |
| Telephone   |  | Fax   |  |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |  |   |  |
| NAME OF SOLE OR FIRST INVENTOR:   |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |
| Given Name<br>(first and middle [if any])   |  | Family Name<br>or Surname   |  |
| W. Thomas, Jr.  |  | Cathey  |  |
| Inventor's<br>Signature   |  | Date  |  |
| Residence: City   |  | State   |  |
| Boulder   |  | CO  |  |
| Country   |  | Citizenship   |  |
| USA   |  | USA   |  |
| Mailing Address   |  |   |  |
| 248 Alpine Way  |  |   |  |
| City  |  | State   |  |
| Boulder   |  | CO  |  |
| Zip   |  | Country   |  |
| 80304   |  | USA   |  |
| NAME OF SECOND INVENTOR:  |  | <input type="checkbox"/> A petition has been filed for this unsigned inventor |  |
| Given Name<br>(first and middle [if any])   |  | Family Name<br>or Surname   |  |
| Adam Douglas  |  | Greengard   |  |
| Inventor's<br>Signature   |  | Date  |  |
| Residence: City   |  | State   |  |
| Louisville  |  | CO  |  |
| Country   |  | Citizenship   |  |
| USA   |  | USA   |  |
| Mailing Address   |  |   |  |
| 1611 Cottonwood Drive # 11  |  |   |  |
| City  |  | State   |  |
| Louisville  |  | CO  |  |
| Zip   |  | Country   |  |
| 80027   |  | USA   |  |
| <input type="checkbox"/> Additional inventors or a legal representative are being named on the _____ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.  |  |   |  |

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

**FOR PROVISIONAL PATENT APPLICATION**

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As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NON-LINEAR WAVEFRONT CODING SYSTEMS AND METHODS**

the specification of which is attached hereto.

**DECLARATION**

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, and

I/we hereby declare that I/we have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to above, and

I/we acknowledge the duty to disclose all information known to me/us to be material to patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (a), and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.

**POWER OF ATTORNEY**

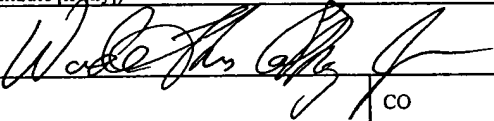
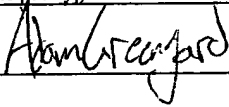
As a named inventor, I hereby appoint Practitioners at Customer Number 30955 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the U.S. Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to the above-mentioned Customer Number.

I am the:

- ☒ Applicant/Inventor
- ☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE(S) of Applicant(s) or Assignee of Record**

|   |       |   |             |
|---|-------|---|-------------|
| NAME OF SOLE OR FIRST INVENTOR:   |       | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name<br>(first and middle (if any)) Wade Thomas, Jr.  |       | Family Name<br>or Surname Cathey  |             |
| Inventor's<br>Signature    |       | Date 19 Feb 2003  |             |
| Boulder   | CO    | USA   | USA         |
| Residence: City   | State | Country   | Citizenship |
| 228 Alpine Way<br>Mailing Address   |       |   |             |
| Boulder   | CO    | 80304   | USA         |
| City  | State | Zip   | Country     |
| NAME OF SECOND INVENTOR:  |       | <input type="checkbox"/> A petition has been filed for this unsigned inventor |             |
| Given Name<br>(first and middle (if any)) Adam Douglas  |       | Family Name<br>or Surname Greengard   |             |
| Inventor's<br>Signature  |       | Date Feb 19, 2003   |             |
| Louisville  | CO    | USA   | USA         |
| Residence: City   | State | Country   | Citizenship |
| 1611 Cottonwood Drive #11<br>Mailing Address  |       |   |             |
| Louisville  | CO    | 80027   | USA         |
| City  | State | Zip   | Country     |

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Wade Thomas Cathey, Jr. et al.Application No./Patent No.: Unknown Filed/Issue Date: (Herewith)Entitled: NON-LINEAR WAVEFRONT CODING SYSTEMS AND METHODSThe Regents of the University of Colorado, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
 in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 013834, Frame 0929, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the United States Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE]** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Feb 20, 2004  
 Date  
303 735 1688  
 Telephone Number

David Allen  
 Typed or printed name  
David N Allen  
 Signature

Assistant V.P. for Technology Transfer  
 Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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